

**$\lambda - p - T$  Relationships in a HCFC-22, HFC-152A  
and HCFC-124 Zeotropic Mixture**

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Comprehensive thermal conductivity measurements of the ternary mixture of HCFC-22 (61 wt %), HFC-152a (11 wt %) and HCFC-124 (28 wt %) halogenated hydrocarbons are presented. The study covers the temperature range from 291.77 K to 366.81 K and pressures up to 9.40 MPa. The coaxial-cylinder apparatus for steady state measurements was used to obtain the thermal conductivity values of the blend in the liquid state and in the rarified gas phase. A set of correlations was applied to express the experimental results of this study. Some mixing rules are tested to represent the concentration dependence of the thermal conductivity.